

WE CLAIM:

Sub A1
1. A personal identification device for executing personal identification by employing living body characteristics of a user, comprising:

a identification condition data reader for reading identification condition data specifying at least one living body characteristic stored in a portable storage media carried by the user for the personal identification;

a living body characteristic detector for detecting from the user the living body characteristic data corresponding to the identification condition data read by said identification condition data reader; and

an identifier for performing personal identification by comparing the living body characteristic data detected by the living body characteristic detector with living body characteristic data of users previously obtained.

Sub B1
2. A personal identification device according to claim 1, in which said portable storage media stores therein an identification algorithm for personal identification employing said detected living body characteristic together with said living body characteristic data, and said identifier performs said personal identification by transferring said living body characteristic data detected from the user by said living body characteristic detector to said portable storage media.

3. A personal identification device according to claim 1 in which said portable storage media stores therein said living body characteristic data, said identification condition reader reads said living body characteristic data from said portable storage media together with said identification condition data, and said identifier performs said personal identification by comparing said living body characteristics detected from the user by said living body characteristic detector with said living body characteristic data read from said portable storage media.

Sub A2
4. A personal identification apparatus for performing personal identification by employing living body characteristics of a user having a central device, and a plurality of personal identification terminals, each of said personal identification terminals comprising:

Sub A2
Concl.

a identification condition data reader for reading identification condition data specifying at least one living body characteristic stored in a portable storage media carried by a user;

a living body characteristic detector for detecting from said user the living body characteristic data corresponding to the identification condition data read by said identification condition data reader;

an identifier for performing personal identification by comparing the living body characteristic data detected by said living body characteristic detector with living body characteristic data of users obtained previously; and

a communicator for communicating with said central device.

Sub B1
Concl.

5. A personal identification apparatus according to claim 4 in which said portable storage media stores therein an identification algorithm for personal identification employing said living body characteristics together with said living body characteristic data, and said identifier performs said personal identification by transferring said living body characteristic data detected from the user by said living body characteristic detector to said portable storage media.

6. A personal identification apparatus according to claim 4 in which said portable storage media stores therein said living body characteristic data, said identification condition data reader reads said living body characteristic data from said portable storage media together with said identification condition data, and said identifier performs said personal identification by comparing said living body characteristics detected from the user by said living body characteristic detector with said living body characteristic data read from said portable storage media.

7. A personal identification apparatus according to claim 4, in which said central device stores and manages said living body characteristic data for each user, revises said living body characteristic data for each user stored and managed by communication with each of said personal identification terminals, and controls identification results of users from said personal identification terminals.

Sub B3

8. A personal identification method for detecting living body characteristics of a user to compare the detected characteristics with the living body characteristic data previously obtained about the user to execute personal identification, comprising the steps of:

Sub A3
Concl.

storing identification condition data specifying at least one living body characteristics for the personal identification into a portable storage media to be carried by the user; and

detecting living body characteristic data corresponding to the identification condition data read from said portable storage media from the user to execute the personal identification.

9. A personal identification method according to claim 8, further comprising the steps of:

Sub B1
Concl.

storing into said portable storage media an identification algorithm for personal identification employing said living body characteristics together with said living body characteristic data; and

transferring the living body characteristic data detected from said user to said portable storage media for personal identification.

10. A personal identification method according to claim 8, further comprising the steps of:

storing said detected living characteristic data into said portable storage media; and

comparing the living body characteristic data detected from said user with said living body characteristic data read from said portable storage media.